	Application No.	Applicant(s)	_
Notice of Allowability	10/701 976	LAI ET AL.	
	10/721,876 Examiner	Art Unit	_
	Leon Y. Lum	1641	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in t or other appropriate commun IGHTS. This application is sul	his application. If not included ication will be mailed in due course. THIS	9
1. This communication is responsive to October 12, 2006.			
2. The allowed claim(s) is/are 22 and 25-35, now renumbered	d as 12 and 1-11, respectively		
 3. Acknowledgment is made of a claim for foreign priority unerstanding and All b) Some* c) None of the: 1. Certified copies of the priority documents have 		(f).	
		No	
Copies of the certified copies of the priority do			
International Bureau (PCT Rule 17.2(a)).	cuments have been received i	in this national stage application from the	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN		reply complying with the requirements	
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,	•	
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or ir	the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
	•		
•			
Attachment(s)			
1. Notice of References Cited (PTO-892)		rmal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sun Paper No./M	nmary (PTO-413), ail Date	
3. Information Disclosure Statements (PTO/SB/08),		mendment/Comment	
Paper No./Mail Date 4.	8. 🛛 Examiner's S	tatement of Reasons for Allowance	
or brotogradi material	9. 🗌 Other		
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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Nelson Quintero on November 8, 2006.

The application has been amended as follows:

Claims 1-21 and 23-24 have been cancelled.

For claim 23, replace the term "16" with the term --25--.

For claim 25:

- 1. In line 10, after "a first portion of a top surface", enter the term --of--.
- 2. In line 12, after "a second portion of a top surface", enter the term --of--.
- 2. The following is an examiner's statement of reasons for allowance: the prior fails to teach a nano device transistor with (1) a drain positioned extending over a first portion of a top surface of a nano channel layer and a first portion of a top surface of the gate dielectric layer, (2) a source positioned extending over a second portion of the top

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surface of the nanochannel layer and a second portion of the top surface of the gate dielectric layer, (3) a ceiling gate dielectric layer, comprising a first ceiling gate dielectric layer portion and a second ceiling dielectric layer portion positioned on the drain and source, respectively, (4) a ceiling gate positioned on the ceiling gate dielectric layer, (5) a first protection layer positioned on the firs ceiling gate dielectric layer portion, (6) a second protection layer positioned on the second ceiling gate dielectric layer portion, and (7) a bottom gate dielectric layer positioned on the bottom gate,

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leon Y. Lum whose telephone number is (571) 272-2878. The examiner can normally be reached on weekdays from 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le can be reached on (571) 272-0823. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Leon Y. Lum Patent Examiner Art Unit 1641

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